

ABSTRACT OF THE DISCLOSURE

A method is provided for converting oxygenates, e.g., methanol, to olefins, e.g., ethylene and propylene, comprising contacting said oxygenates and an aromatics co-feed, e.g., xylenes, with a framework gallium-containing molecular sieve catalyst comprising pores having a size ranging from about 5.0 Angstroms to about 7.0 Angstroms, e.g., ZSM-5, under production conditions effective to produce olefins. A catalyst composition is also provided, comprising a ZSM-5 zeolite-bound ZSM-5 zeolite having a bound zeolite of framework Ga-containing zeolite having a Si/Ga molar ratio ranging from 5 to 500 and a binder of Ga-modified, e.g., Ga-exchanged and/or Ga-impregnated, zeolite having a Si/Ga molar ratio ranging from 5 to ∞ .

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